Home Page
Header

Image:
https://static.vecteezy.com/system/resources/previews/027/402/006/non_2x/modern-technology-cybersecurity-icon-crop-out-free-png.png

(black gradient background color, webkit sticky, Sixtyfour Convergence, print media query)

Nav (webkit sticky, black gradient background, Kanit, hover and clicked pseudo classes)

Home AI Robotics Self Driven cars

<div class="homeArticles"
<Article> (Kanit font, off white background)
<h2> AI
<p>The future of AI promises to revolutionize technology, transforming industries and enhancing everyday life through automation and personalization. As AI advances, it will drive innovation but also raise ethical and privacy challenges, requiring careful regulation to ensure its benefits are responsibly shared.

<Article>
<h2> Robotics
<p>The future of robotics will transform industries and daily life, with robots becoming more autonomous, efficient, and versatile. They will revolutionize manufacturing, healthcare, and transportation, enhancing productivity and safety. As robotics technology advances, ethical considerations and regulations will be crucial to ensure safe and responsible integration into society.

<Article>
<h2>Self Driven Cars
<p>The future of self-driven cars promises to revolutionize transportation, making travel safer, more efficient, and accessible. Autonomous vehicles will reduce traffic accidents, optimize fuel usage, and transform urban planning. However, their widespread adoption will require advances in technology, regulatory frameworks, and ethical considerations to ensure safety and public trust.

—----------

<Figure>
Image:
https://w7.pngwing.com/pngs/517/481/png-transparent-technology-computer-icons-information-circle-technology-electronics-text-digital-thumbnail.png

<figcaption>The future of technology is now! Recent breakthroughs in the fields of AI, Robotics, and Self Driven Cars are revolutionizing the ways we think we can live!

—----------

(web only div)
<p>This website was created by Tristan Lake in order to inform the world of the wonders of the new technologies that surround us!

—----------

Footer
(nav links, black gradient background, Kanit, hover and clicked pseudo classes)

AI Page
Header and nav same as home layout same as home
Interesting Advancements in AI

<Div Class=”article1”>
<Article>

<Section>
<h2>Generative AI Models
<p>Generative AI models can create human-like text, images, and other content, enabling new levels of creativity and automation. They benefit us by streamlining content creation, assisting in education, and offering personalized user experiences across industries like marketing, entertainment, and customer support.

<Section>
<h2>AI in Healthcare Diagnostics
<p>AI-powered diagnostic tools use machine learning algorithms to analyze medical images, detect diseases, and recommend treatments with high accuracy. This advancement improves early disease detection, enhances patient care, and reduces the workload for medical professionals, leading to better health outcomes.

<Section>
<h2>Reinforcement Learning for Robotics
<p>Reinforcement learning enables robots to learn complex tasks through trial and error, making them more adaptable and autonomous. This technology benefits us by improving automation in industries such as manufacturing, logistics, and home assistance, ultimately boosting productivity and safety while reducing costs.

<Figure>
Image:
https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.willbhurd.com%2Fan-artificial-intelligence-definition-for-dummies%2F&psig=AOvVaw2tg4rkRv4y0Wfj01kl9e3u&ust=1729179425759000&source=images&cd=vfe&opi=89978449&ved=0CBQQjRxqFwoTCKCghMqdk4kDFQAAAAAdAAAAABAE

<figcaption>AI enhances efficiency and innovation by automating tasks, analyzing data, and personalizing experiences. It transforms industries like healthcare and transportation, offering solutions to improve daily life and address global challenges

---

Footer same

Robotics page
Header and nav same
Riveting Robotics Revolutions

—----------

<Div class=”article2”>
<Article>

—----------

<Section>
<h2>Soft Robotics
<p>Soft robotics involves flexible, adaptable robots that mimic natural movements, making them ideal for delicate tasks like handling food or assisting in surgery. These robots benefit us by improving safety and precision in environments that require gentle handling or human interaction.

—----------

<Section>
<h2>Collaborative Robots (Cobots)
<p>Cobots are designed to work alongside humans, assisting in tasks like assembly, packing, and quality control. They enhance productivity by automating repetitive tasks while maintaining flexibility, allowing workers to focus on more complex or creative activities.

—----------

<Figure>
Image: https://durolabs.co/wp-content/uploads/2024/07/shutterstock_2330938337-scaled.jpg

<figcaption>From manufacturing and healthcare to logistics and everyday assistance, robots enhance productivity, safety, and innovation, ultimately transforming the way we work and live

—----------

Footer same

Self Driven Cars page
Header and Nav same
Spellbinding Self Driven Car Successes

Article
<article>
<h2>Recent Advancements in Self-Driving Technology
<p>Self-driving technology is advancing rapidly, bringing us closer to fully autonomous vehicles. Key developments include:
<h4>Improved Sensor Technology
<p>Modern autonomous vehicles use advanced LiDAR, radar, and cameras to create a detailed view of their surroundings, enhancing detection accuracy in various conditions.
<h4>AI and Machine Learning
<p>New algorithms allow self-driving systems to analyze data in real time, enabling quicker decision-making and adaptability in complex driving situations
<p>These advancements promise to revolutionize transportation by reducing accidents and enhancing efficiency, though regulatory frameworks will need to evolve to ensure safe integration.

<Aside>
<h2>The Future of Self-Driving Cars
<p>The future of self-driving cars holds exciting possibilities, poised to reshape transportation as we know it.
<p> As technology continues to advance, we can expect autonomous vehicles to become safer, more efficient, and increasingly integrated into our daily lives.
<p>Innovations in artificial intelligence, sensor technology, and vehicle-to-everything (V2X) communication will enhance the reliability of these cars, enabling them to navigate complex environments with ease.

For this project you will complete the following:

1, A wireframe of the page template for the mobile version of the site.

- Design a mobile-friendly navigation system
- The layout for mobile pages should follow the practices we learned in ChS-7

2. A wireframe of the page template for the desktop version of the site.

• Rearrange the content from your mobile layout to fit desktop design practices
- Be sure that this layout is distinct from your mobile layout.

3. A template HTML page, including an external CSS stylesheet to format the content according to the following requirements:

- Add at least one media query to setup the desktop styles.
- Use two custom Google Fonts.
- Use at least one structural pseudo-class.
-i.e. The type of pseudo-classes that select the nth type of element
- Use at least one dynamic pseudo-class in your desktop and media query.
-i.e. The type of pseudo-classes that select links when the user has them hovered, clicked, etc.
- Use a gradient for the background.
- Create and add a favicon to all HTML pages within the website.
- Use the opacity property or gbal function in your stylesheet.
- Use at least one text shadow and one box shadow within the website.

4. A home page, and at least 3 other pages showcasing advanced technology.

- Use a multiple-column layout on at least one page.
- Add images to each page that are related to the new technologies of that page.
- Integrate at least two figure elements and at least two figcaption elements
-(Hint: It may be a good idea to put your images into these figures)
- Use at least one article, section, or aside element.
- Integrate and use the CSS grid layout within your website and include style rule that spans an element across at least two grid columns
-(These requirements need to be met once, on at least one page. They do not have to be on every page.)

5. Validate the HTML and CSS used for your project with the W3C validators.

When finished, use the same steps from the introduction assigmment to upload your files to a GitHub repository. Ensure that GitHub Pages is enabled and test each page on your site through GitHub Pages. Once complete, submit a link to your site to this assignment, so that it takes me to the homepage of your GitHub Pages site. Be sure that your wireframe is also included within the repository. I will be able to view it from there, but it does not have to be on your site unless you want it to.

Date / /

Home
mobile

Header

nav

Article

Article

Article

Figure

Image

Fig caption

Hide div

Footer

Home
web

Date / /

Header

nav

Article

Figure

Image

Fig caption

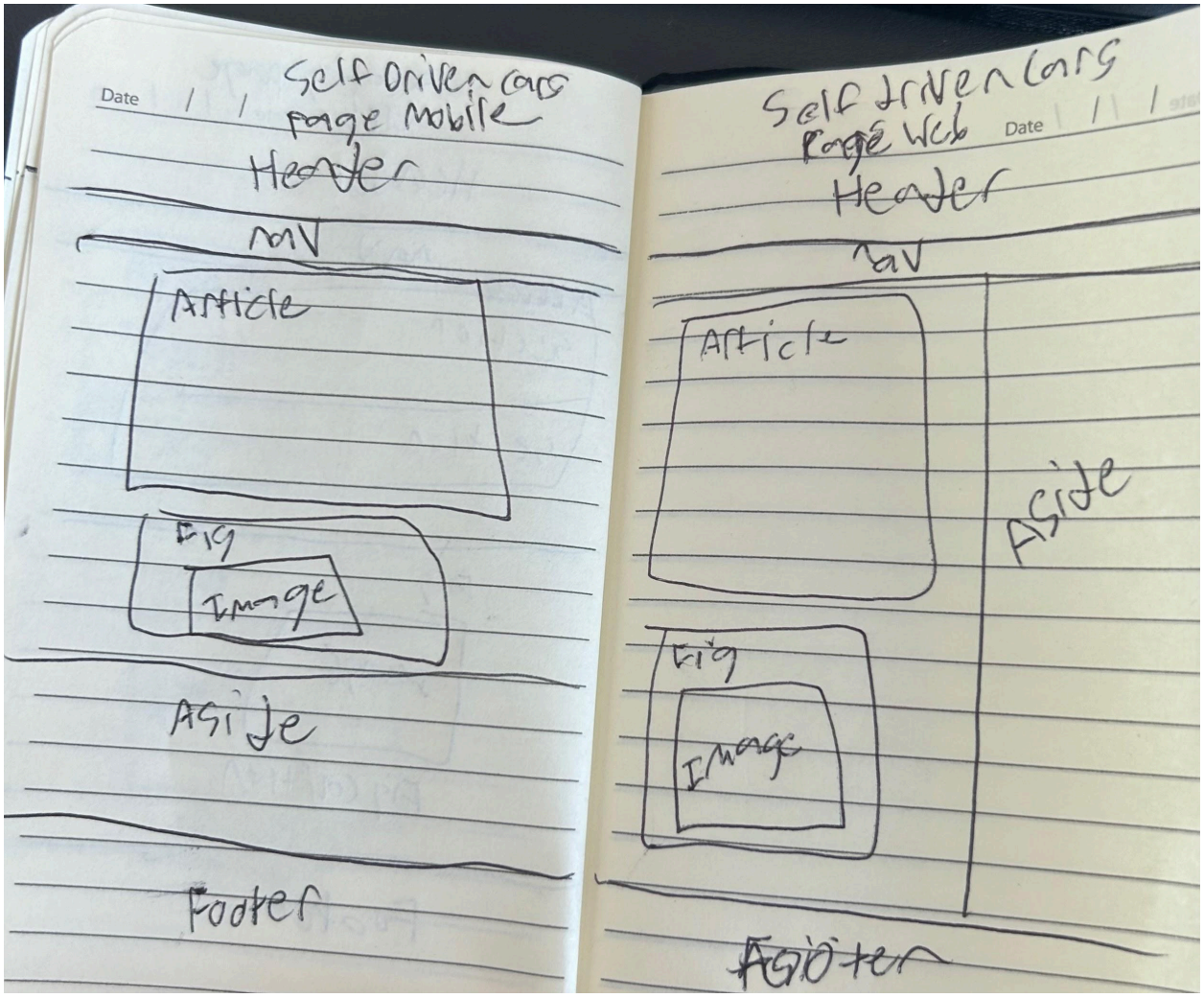
Article
content

content

Article

Div with
website
info

Footer


Date / /
Self Driven Cars
Page Mobile
Header
nav
Article
Fig
Image
Aside
Footer
Self Driven Cars
Page Web
Date / /
Header
nav
Article
Fig
Image
Aside
Footer

Robotics page
Date / / mobile

Header

nav

Article

Section

Section

Fig

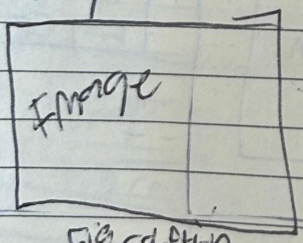


Fig caption

Footer

Robotics page
web
Date / /

Header

nav

Article

section

section

Fig

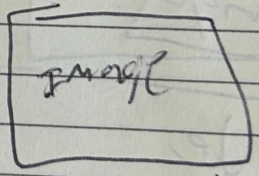
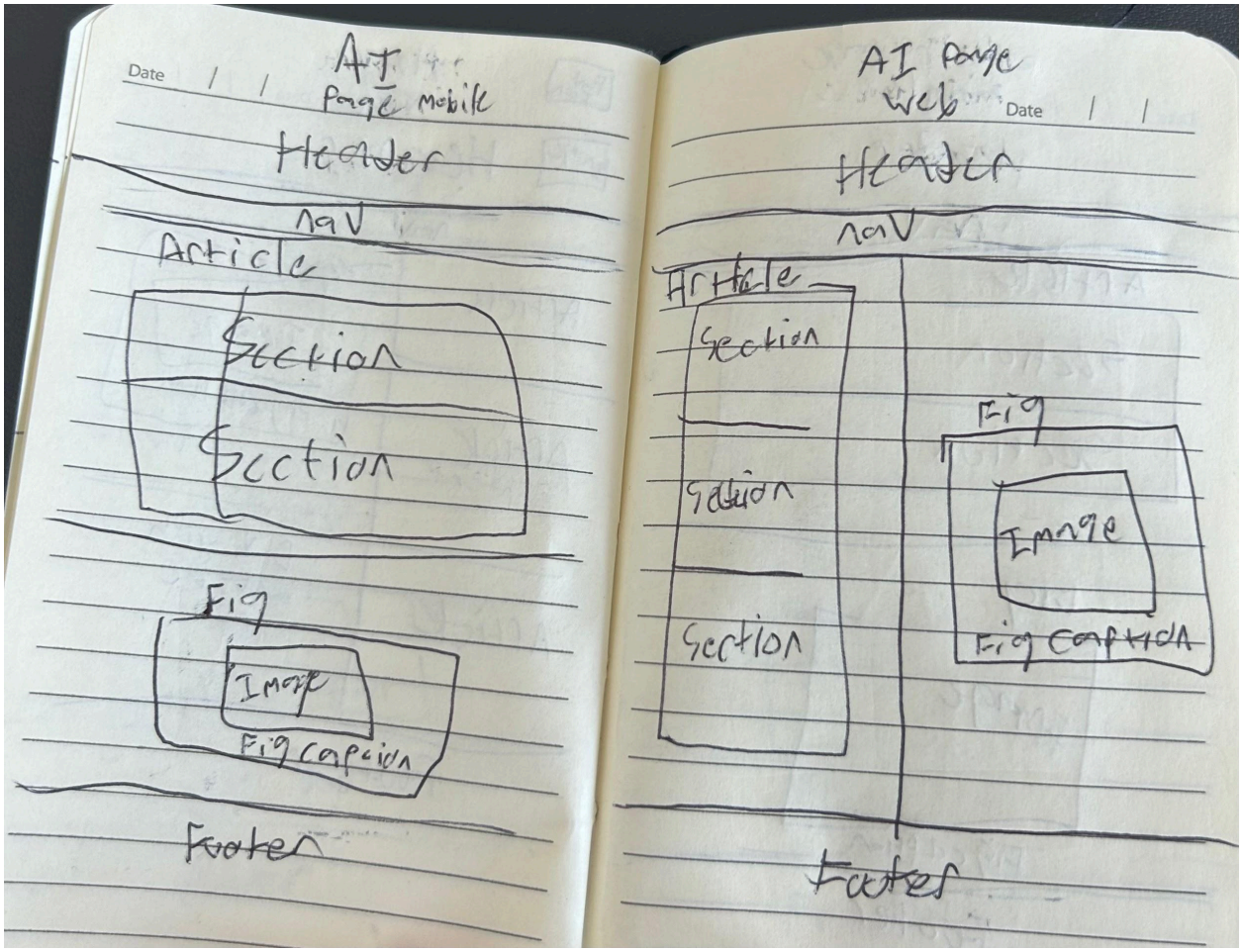


Fig caption

Footer


Date / /
AI page mobile
Header
nav
Article
Section
Section
Fig
Image
Fig caption
Footer
AI page web
Date / /
Header
nav
Article
Section
Section
Section
Fig
Image
Fig caption
Footer